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(54) ACTIVE ENERGY RAY-CURABLE RESIN COMPOSITION AND FORMATION OF COATING FILM USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To form a cured coating film having excellent coating film performances by the irradiation of active energy rays.

SOLUTION: This active energy ray-curable resin composition comprises (A) 5-95 pts.wt. of a mixture comprising 5-40 wt.% of N-methylol(meth) acrylamide and 95-60 wt.% of acryloylmorpholine, (B) 5-90 pts.wt. of an unsaturated resin having one or more polymerizable double bonds on the average in one molecule and having a weight-average mol.wt. of 500-20,000, (C) 0-100 pts.wt. of a reactive diluent, (D) a photocationic polymerization initiator in an amount of 0. 1-15 pts.wt. based on 100 pts.wt. of the resin composition comprising the components A, B and C, and (E) a photoradical polymerization initiator in an amount of 0. 1-15 pts.wt. per 100 pts.wt. of the resin composition.

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